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Water Supply Outlook For Nevada





Cooperating with

NEVADA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

Feb. 1, 1984

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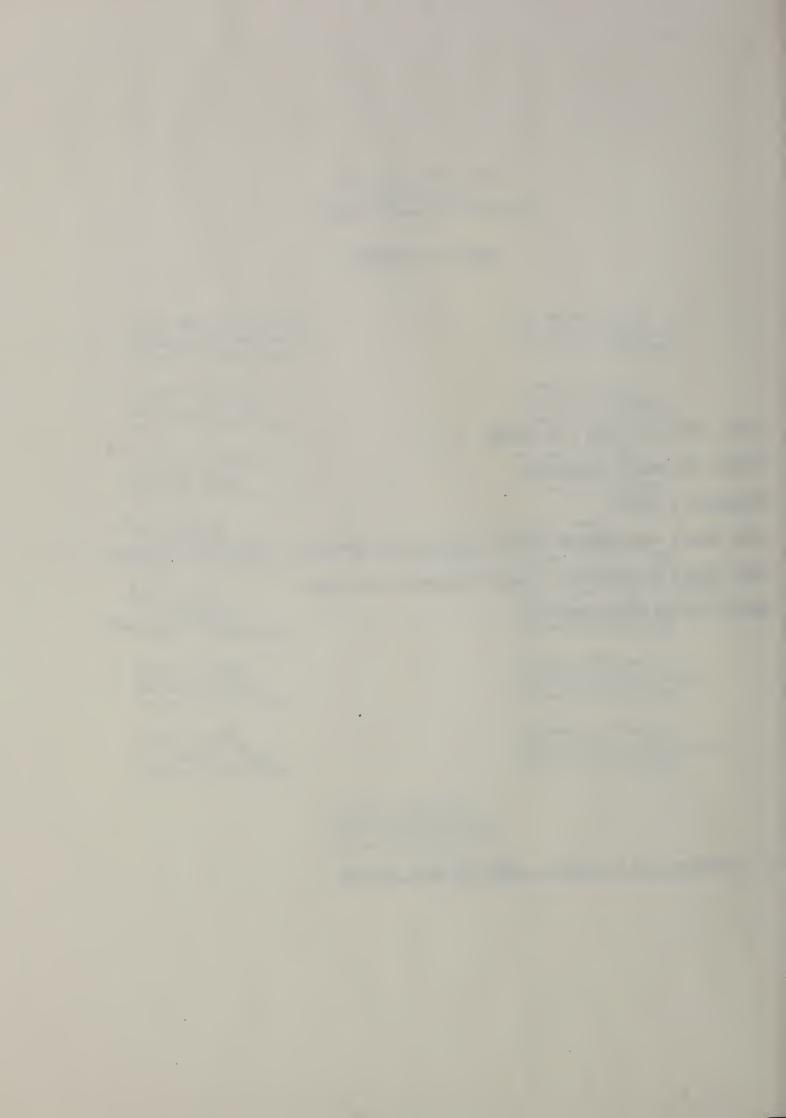
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All Averages are for 1961 - 1980, 20 year period.



WATER SUPPLY OUTLOOK FOR NEVADA

SNOWPACK MEASUREMENTS

The snowpack conditions in the state have changed significantly during the last month. Snowfall during January, especially in the Sierra, was 5 to 10 percent of average. In addition, unseasonably warm weather has resulted in the melting of much of the snowpack below the 6500 foot elevation. The warm temperatures have compressed and decreased the snow depth, consequently the densities encountered during the surveys are very high for February first. The density of the snow at many of the courses is between 40 to 50 percent, which is more like those encountered April first.

The snowpack in the Tahoe, Truckee, Carson, and Walker Basins is below last year but is still above the twenty year average. The Tahoe-Truckee Basin is 122% of the 1961 to 1980 average and 80% of last year. The Carson-Walker Basin is 125% of average and 82% of last year. If no more snow or melt occurs in the next two months the snowpack April first will be about 80% of average, however with average snowfall the April first snowpack will be 115% of average.

Snowpack conditions in the northern part of the state are still above last year and well ahead of the average. The Upper Humboldt River Basin is 181% of last year and 224% of average. The Lower Humboldt River Basin is 140% of last year and 255% of average. The water content of the snowpack on January 30, 1984 at the Pole Creek Ranger Station was 21.9 inches. The twenty year average at the site was 13.3 inches and there was only 12.8 inches at the site last year. The water content at the Tremewan Ranch outside Elko was 5.6 inches on January 31, 1984. Last year there was 2.5 inches and the twenty year average is only 1.2 inches.

The eastern part of the state also has an excellent snowpack. The snowpack is 164% of last year and 178% of average. The water content at the Ward Mountain SNOTEL site on February 2, 1984 was 11.2 inches. The average for the site is 5.1 inches and there were 8.8 inches last year. The Murray Summit snow course had 5.2 inches of snow water on the site this month compared to 3.7 inches last year. Robinson Summit had 4.1 inches of snow water this year compared to 2.6 inches last year.

RESERVOIR STORAGE

Reservoir storage in the state remained above average for this time of year. The total storage of the seven major reservoirs monitored indicated that the storage is 131% of the twenty year average. Lake Tahoe as of February first was 136% of average. Lahontan Reservoir was 115% of average and Rye Patch 126%. Wildhorse

Reservoir had the highest percent of average storage at 210%. The surface elevation of Pyramid Lake rose 1.67 feet during the month and Walker Lake's elevation increased 1.90 feet since December 1, 1983. The surface elevation at Washoe Lake decreased 3 tenths of a foot during the last month.

STREAMFLOW FORECASTS

Streamflows in the major rivers effecting Nevada are forecasted to have above average flow for the period April through July. The Truckee River at Farad, California is forecasted at 380,000 acre-feet which is 141% of average. The Little Truckee River above Boca, California should flow 130,00 acre-feet which is 140% of average. Conditions on the Carson River will also be above average for the April through July forecast period. The Carson River near Carson City is forecasted at 255,000 acre-feet which is 140% of average. The East Walker River near Bridgeport is projected at 152% of average with 100,000 acre-feet.

Rivers in the eastern and northern part of Nevada are expected to flow well above the averages. The Humboldt River at Palisades is forecasted at 540,000 acre-feet and is 235% of average. The Owyhee River near Owyhee will produce 180,000 acre-feet which is 211% of average.

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1984

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1961-80 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
TRUCKEE RIVER				
Truckee River at Farad, CA 1/	April-July	380	141	273
Lake Tahoe Rise in feet (assuming gates closed)	April 1 to high	1.9	136	1.42
Little Truckee River above Boca, CA	April-July	130	140	87
CARSON RIVER				
East Carson near Gardnerville, NV	April-July	236	126	182
West Carson at Woodfords, CA	April-July	70	132	53
Carson River near Carson City, NV	April-July	255	140	183
Carson River near Fort Churchill, NV	April-July	235	142	167
WALKER RIVER				
East Walker near Bridgeport, CA 2/	April-Aug.	100	152	69
West Walker near Little Walker near Coleville, CA	April-July	215	145	146
HUMBOLDT RIVER				
Lamoille Creek near Lamoille, NV	April-July	39	140	28
So. Fork Humboldt above Dixie Creek, NV	April-July		200	73
Marys River at Deeth, NV	April-July	74	200	37
N. Fork Humboldt at Devils Gate, NV	April-July	75	216	35
Humboldt River at Palisade, NV	April-July	540	235	221
Humboldt River at Comus, NV	April-July	450	260	178
Martin Creek near Paradise, NV	April-July	33	223	15
SNAKE RIVER				
Owyhee River near Gold Creek, NV 3/	April-July	50	217	23
Owyhee River near Owyhee, NV 3/	April-July	180	211	80

NOTE: Streamflow forecasts which appear in this Bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

- 1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence, and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.
- 2/ Observed flow plus change in storage in Bridgeport Reservoir.
- 3/ Observed flow plus change in storage in Wildhorse Reservoir.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1984

	accession.	Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average†
Owyhee	Wildhorse	72	58	57	30
Lower Humboldt	Rye Patch	194	118	175	111
Colorado	Mohave	1,810	1,692	1,708	1,660
Colorado	Mead	26,159	24,370	23,937	17,580
Tahoe	Tahoe	745	545	592	479
Truckee	Boca	41	25	26	19
Truckee	Stampede**	222	199	202	118*
Truckee	Prosser***	30	8	9	7
Carson	Lahontan	295	222	194	214
West Walker	Topaz	59	44	42	37
East Walker	Bridgeport	42	27	28	31
* Adjusted average.					

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average +
October 1	705	1,172	786
January 1	1,211	1,070	844
February 1	1,041	1,114	920
March 1		1,089	968
April 1		1,079	1,010
Mary 1		972	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.
TOTAL USABLE CAPACITY 1,448

		PEAK FLOW (SECOND FEET)		
FORECAST PO	IN T	Forecast Range	Average	
Peak flow for	ecast not issued until	1 March 1, 1984		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/ Ft.	Forecast Date Stream Will Recade to Low Flow Value	Average Date of Low Flow Value
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Low flow forecasts not issued until March 1, 1984

^{**} Storage began August 1, 1969.
*** Flood Control use allocation of 20.000 acre—feet between November 1 and April 10.

NOW COURSE MEASUREMENTS			THIS YEAR	Y	Y PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey Snow Depth	Snow Depth	Water Content	Water Content		
NAME	Elevation	Jake of Server,	(inches)	(inches)	Last Year	Average	
UE-TRUCKEE BASIN							
BIG MEADOWS (CA)	8300	2/01/84	65	23.0s	26.5		
BOCA #2 (CA)	5900	1/29/84	3	1.3	8.6	4.	
BROCKWAY SUMMIT (CA)	7100	1/26/84	38	14.8	23.1	12.	
CASTLE CREEK (CA)	7400	1/31/84	101	45.0	49.7	32.	
CSS LAB (CA)	6900	1/30/84	69	26.7			
DONNER PARK #2 (CA)	6000	1/29/84	17	5.4	16.6	10.	
DONNER SUMMIT (CA)	6900	1/30/84	61	27.8	40.6	24.	
ECHO PEAK (CA)	7800	1/26/84	85	38.5	36.4	27.	
ECHO SUMMIT (CA)	7450	1/31/84	67	22.2	31.4	22.	
FALLEN LEAF (CA)	6300	1/26/84	7	3.3	11.0	6.	
FORDYCE LAKE (CA)	6500	1/31/84	53	24.4	44.5	24.	
FREEL BENCH (CA)	7300	1/26/84	21	8.5	11.8	8.	
FURNACE FLAT (CA)	6700	1/31/84	68	31.8	48.0	29.	
GLENBROOK #2	6900	1/28/84	21	8.0	16.5	7.	
HAGANS MEADOW (CA)	8000	1/26/84	45	17.0	18.1	12.	
HEAVENLY VALLEY (CA)	8850	1/20/84	65	26.4	27.2	17.	
INDEPENDENCE CAMP CA	7000	1/24/84	39	14.5	18.1	14.	
INDEPENDENCE CREEK	6500	1/25/84	19	6.7	12.9	8.	
INDEPENDENCE LAKE CA	8450	1/24/84	98	38.0	33.0	25.	
LAKE LUCILLE (CA)	8200	1/25/84	106	41.0E			
LITTLE VALLEY	6300	1/31/84	90	3.4E	4.1	4.	
MARLETTE LAKE	8000	1/26/84	56	21.5	23.4	14.	
MT. ROSE	9000	1/31/84	91	36.3S	30.9	19.	
MT. ROSE SKI AREA	9000	1/27/84	99	39.7	42.2	28.	
RICHARDSONS #2 (CA)	6500	1/28/84	27	9.4	15.7	10.	
RUBICON #1 (CA)	8100	1/25/84	100	39.0E		33.	
RUBICON #2 (CA)	7500	1/26/84	62	24.4	31.5	19.	
SAGEHEN CREEK (CA)	6500	1/25/84	32	11.3E	19.4	11.	
SQUAW VALLEY #2 (CA)	7500	1/26/84	108	45.7	44.0	31.	
SQUAW VALLEY G.C., CA	8200	1/27/84	104	49.8	45.8	33.	
TAHUE CLTY CROSS(CA)	6/50	1/26/84	35	13.4	24.4	13.	
TRUCKEE #2 (CA)	6400	1/26/84	23	7.6	19.0	9.	
TRUCKEE, UPPER (CA)	6400	1/26/84	14	5.3	9.0	7.	
WARD CREEK #2 (CA)	7000	1/26/84	78	32.8	37.5	26.	
WARD CREEK #3 (CA)	6750	1/26/84	66	26.5	34.8	23.	
SON-WALKER BASIN					,		
BLUE LAKES (CA)	8000	1/25/84	78	28.9	33.3	26.	
CARSON PASS, UP (CA)	8600	1/27/84	73	32.3	33.1	21.	
CENTER MOUNTAIN (CA)	9400	1/25/84	90	31.8	38.1	22.	
CLEAR CREEK	7300	1/31/84	28	11.1E	10.2	7.	
EBBETTS PASS #2 (CA)	8700	1/25/84	85	33.7	33.5	25.	
FISH VALLEY, UP AM, CA	8050	1/25/84	38	9.6	16.0	10.	
LEAVITT LAKE (CA)	9400	1/25/84	106	42.1	46.8	29.	
LEAVITT MEADOWS (CA)	7200	1/25/84	15	4.8	11.4	6.	
LOBDELL LAKE (CA)	9200	1/25/84	44	13.8	18.6	11.	
MONITOR PASS AM(CA)	8350	1/25/84	40	13.1	20.0		

SNOW COURSE MEASUREMENTS						
			THIS YEAR			RECORD
DRAINAGE BASIN and/or SNOW COURSE NAME		Date of Survey	Snow Depth	Water Content		Content
JPAN .	Elevation		(inches)	(inches)	Last Year	Average
CARCON MATURE BACTM (Cont.)						
CARSON-WALKER BASIN (Cont.)						
POLSON FLAT #2 (CA)	7900	1/25/84	32	10.5	19.3	11.5
SAWMILL RIDGE (CA)	8750	1/25/84	45	14.2	19.8	13.2
SONORA PASS (CA)	8800	1/25/84	58	22.8	26.7	16.1
SPRATT CREEK (CA)	6080	1/25/84	7	2.5	9.0	6.0
TIOGA PASS (CA)	9900	1/31/84	67	26.8E		17.2
WET MEADOWS #2 (CA)	8100	1/25/84	87	32.0	35.2	25.4
VIRGINIA LAKES RIDGE	9200	1/25/84	45	15.0	17.2	9.8
WET MEADOWS #2 (CA)	8100	1/25/84	87	32.0	35.2	25.4
WILLOW FLAT (CA)	8250	1/25/84	25	9.3	14.3	7.2
WOLF CREEK AM (CA)	8000	1/25/84	60	22.8	32.4	20.7
NORTHERN GREAT BASIN						
BALD MOUNTAIN AM	6720	1/26/84	20	6.2A	3.6	.9
BARBER CREEK (CA)	6500	1/27/84	42	15.8	10.7	8.3
CEDAK PASS (CA)	7100	1/25/84	48	17.2s		10.6
DISASTER PEAK	6500	2/01/84	54	18.35	14.4	7.6
DISMAL SWAMP #2 (CA)	7000	2/01/84	89	29.4A		16.0
FORTY-NINE MOUNTAIN	6000	1/30/84	20	6.5	4.5	2.7
HAYS CANYON	6400	1/2//84	14	4.0		2.8
LITTLE BALLY MTN. AM	6000	1/26/84	12	4.1A		2.2
RESERVATION CREEK	5900	1/30/84	43	16.8		8.0
SNAKE RIVER						
BEAR CREEK	7800	2/01/84	68	22.4E	14.8	13.6
FOX CREEK	6800	2/01/84	36	12.3E		
GOAT CREEK	8800	1/30/84	59	20.6	10.9	11.9
HUMMINGBIRD SPRINGS				26.0E	10.9	
JAKES CREEK AM	7000	1/26/84		9.6	5.1	
MERRIT MOUNTAIN AM	7000	1/26/84	36	12.2	4.7	4.2
POLE CREEK R.S.	8330	1/30/84	59	21.9	12.8	13.3
	7100		55	18.3E	9.9	7.8
STAG MOUNTAIN AM	7700	1/26/84	38	12.5	6.7	3.7
OWYHEE RIVER						
		10.10.		1.0 07		
BIG BEND	6700			10.2E	6.7	6.1
COLUMBIA BASIN AM	6650	1/26/84	54	18.4	8.6	6.9
FAWN CREEK AM	7050	1/26/84	58	19.7	14.6	7.8
FAWN CREEK #2	7050	2/01/84	62	21.05		
GOLD CREEK	6600	2/01/84	15	8.0E	4.6	3.9
JACK CREEK, LOWER	7250	2/01/84		4.7E		
JACK CREEK, UPPER	7250	2/01/84		11.2E	8.8	4.2
JACK CREEK #2, UPPER	7280	2/01/84	66	21.78		
JACKS PEAK	8420	2/01/84	85	27.2E	20.3	15.6
LAUREL DRAW	6700	1/01/84		13.6E	7.1	5.7
TAYLOR CANYON	6200	1/31/84	32	12.1	6.7	4.0

DRAINAGE BASIN and/or SNOW COURS	=		THIS YEAR	`	PAST	RECORD
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content	Water	Content
			(males)	(inches)	Last Year	Average +
PER HUMBOLDT RIVER						
AMERICAN BEAUTY AM	7800	1/26/84	5 2	17 0		
CORRAL CANYON	8500	2/01/84	53	17.2 18.1E	9.1	6.5
DORSEY BASIN	8100	2/01/84	57	18.8E	11.1	9.5
DRAW CREEK #2	7450	2/01/84	5 2	17.65	11.9	8.0
DRY CREEK	6500	2/01/84	25			49 C9
FRY CANYON	6700	1/31/84	34	9.1E 12.0	6.2	5.2
GREEN MUUNTAIN	8000	2/01/84	63	21.3E	7.7	5.2
HARRISON PASS #1	6600	2/01/84	30		11.6	7.4
HARRISON PASS #2	7400	2/01/84	35	12.1E		
LAMOILLE #1	7100	1/30/84	38	14.0E		€ €
LAMOILLE #3	7700	1/30/84	49	11.8	8.5	5.7
LAMOILLE #5	8700	1/30/84	78	16.5	9.0	8.1
POLE CANYON #2	7700	2/01/84	64	31.8	16.4	17.1
ROBINSON LAKE AM	9200	1/26/84		25.5E		40 49
RODEU FLAT	6800	1/31/84	120 39	49.2	17.7	19.9
RYAN RANCH	5800	1/31/84		1.3.0	8.4	4.1
SMITH CREEK	7700	2/01/84	13	5.0E		6 0 6 p
TENT MIN, LOWER AM	7000	1/26/84	47	18.7E		
TENT MIN, UPPER AM	8350	1/26/84	41	12.3	9.8	
TREMEWAN RANCH	5700	1/31/84	79	32.4	15.5	40 cp
TROUT CREEK, LOWER	6900	1/31/84	18	5.6	2.5	1.2
TROUT CREEK, UPPER AM	8500	2/01/84	14	5.7E		
EK HUMBOLDT RIVER		2/01/04	73	21.9E	16.1	12.0
						,
BIG CREEK CAMPGROUND	6600	2/01/84	14	4.9E		
BIG CREEK MINE	7600	2/01/84	26	8.8E	45 45	
BIG CREEK SUMMIT	8700	2/01/84	68	23.15	10 0	
BIG CREEK, UPPER	7800	2/01/84	50	17.0E	18.0	49 49
BUCKSKIN, LOWER	6700	2/01/84	37	17.0E	0 5	
BUCKSKIN, UPPER	8200	2/01/84	47	15.7E	8.5	5.3
GOLCONDA #2	6000	2/01/84	28	9.4E	100	
GRANITE PEAK	7800	1/31/84	61	20.1E	12.0	1.3
LAMANCE CREEK	6000	2/01/84	49	15.8E	16.2	11.4
MARTIN CREEK	6700	1/31/84	33		7.0	6.2
MIDAS	7200	1/26/84	30	11.3E 10.2		
SNOWSTORM MOUNTAIN	7420	1/26/84	5 2		6.1	2.1
TOE JAM AM	7700	1/26/84	48	17.7	11.7	
ERN NEVADA		1/20/04	40	16.3	10.1	6.7
BERRY CREEK	0100					
HOLE-IN-MOUNTAIN		1/30/84	19		12.8	9.3
		2/01/84			8.5	13.3
MURRAY SUMMIT ROBINSON SUMMIT		1/25/84	21	5.2	3.7	93 99
UADD WHITE AD		1/26/84		4.1	2.6	•
WARD MOUNIAIN #2	9200	2/01/84	33	11.25	8.8	5.1
K COLURADO RIVER						
LEE CANYON #2	9000	1/26/84	13	33.7	11.2	
LEE CANYON #3					9.1	

SHOW COURSE MEASUREMENTS			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey		(Inches)	Last Year	Average +

DESERT RESEARCH INSTITUTE MEASUREMENTS

TAHOE-TRUCKEE BASIN

Alder Creek	c 050	02 (07 (0.0				
Apollo Way	6,960	01/27/84	68.0	29.7	41.7	
Bennett Flat	7,300	01/28/84	23.0	11.3	20.5	
Brockway Summit	6,200	01/27/84	24.0	8.3	18.5	
Cabin Creek	7,200	01/27/84	46.0	16.6	26.8	
Clear Creek	6,540	01/27/84	· 24.0	9.5	19.9	
	5,800	01/29/84	0	0	1.6	
Cliff Ranch, Franktown	5,250	01/29/84	2.0	0.8	1.5	
Davis Creek	5,160	01/29/84	0	0	1.3	
Evergreen Hills Road	5,700	01/28/84	2.0	1.1	4.6	
Fuller Lake	6,200	01/29/84	3.0	1.4	0	
Galena Creek	7,440	01/28/84	50.0	17.7		
Henness Past Jct.	6,410	01/27/84	26.0	9.7	17.5	
Hobart Mill	5,850	01/27/84	13.0	6.0	13.4	
Incline Creek	6,235	01/28/84	0	Ö	5.6	
Jones Creek	6,000	01/28/84	5.0	1.9	5.2	
Joy Lake	6,000	01/29/84	2.0	0.9	2.8	
Jct. 395 & NV 27	4,590	01/28/84	0	Ö	T	
Lancer	5,110	01/28/84	Õ	ŏ	0.3	
Little Valley	6,540	01/29/84	11.0	4.8	0.5	_
Mount Rose Resort	8,280	01/28/84	78.0	30.4	34.€	
North Star Fire Dept.	6,320	01/27/84	10.0	3.9	12.4	
RNR Forestry Site	6,400	01/28/84	20.0	7.1	12.3	
Reindeer Lodge	7,060	01/28/84	26.0	9.4	19.4	
Relay Station Tram	9,660	01/28/84	101.0	44.7	15.4	
Sagehen Creek	6,340	01/27/84	20.0	8.3		
Sky Tavern	7,620	01/28/84	47.0	20.1	25.2	
Spooner Summit	7,260	01/29/84	33.0	13.6	18.7	
Squaw Valley Fire Dept.	6,240	01/27/84	16.0	8.6	25.2	
Tahoe City	6,240	01/27/84	22.0	8.8		
Tahoe Meadows	8,540	01/28/84	92.0	38.0	16.8	
Tamarack Lake	8,820	01/28/84	70.0	28.8	44.8	
Third Creek	8,000	01/28/84	61.0		34.6	
Thunder Cliff	6,200	01/27/84	18.0	25.8	31.6	
Truckee-Tahoe Airport	5,900	01/27/84	0	7.9	18.5	
Unites Creek	5,670	01/28/84	0	0	8.3	
	3,373	92, 20, 04	U	U	2.1	

T - TRACE

PRECIPITATION (Inches)

6,240 8,000 8,800 8,000 9,000 7,500	2/1/84 2/1/84 2/1/84 2/1/84	Month's Precipitation .40 1.70	T.6	This Year	Last Year	February Average
8,000 8,800 8,000 9,000 7,500	2/1/84 2/1/84	1.70		14.3		
8,000 8,800 8,000 9,000 7,500	2/1/84 2/1/84	1.70		14.3		1
8,800 8,000 9,000 7,500	2/1/84			*****	26.4	20.0
8,000 9,000 7,500			5.6	22.9	19.4	15.1
9,000 7,5 0 0	2/1/84	.70	7.2	23.4	25.5	17.6
7,500		1.30	7.2	26.0	27.3	17.6
	2/1/84	1.20	6.3	26.8	27.3	18.4
	2/1/84	1.30	7.9	34.0	33.2	28.0
7,800	2/1/84	1.40	8.1	52.9	42.3	49.2
6,750	2/1/84	1.10	7.1	31.6	27.7	27.4
6,400	2/1/84	.80	7.4	27.5	25.6	23.5
6,750	2/1/84	. 90	11.7	63.5	48.2	38.7
				32.0		30.4
	2/1/84	1.00	11.0	37.4	44.1	27.0
7,200	2/1/84	.50	6.6	26.6	26.0	23.5
9,200	2/1/84	1.00	6.5	16.7	21.5	12.5
		1.00		28.2	32.1	18.2
6,080	2/1/84	. 60	7.0	26.4	29.0	20.7
9,200	2/1/84	1.30	7.6	18.9	23.0	3.7
8,050	2/1/84	.70	10.0	37.1	38.6	26.3
		2.00		18.1	14.1	6.6
	2/1/84	.80		18.3	12.5	11.9
	2/1/84	3.60				10.9
			3.8			12.7
	2/1/84	1.20	*****			-
						15.0
						16.6
		.60				
7,700	2/1/84	2.10	3.4	25.1	14.1	11.1
						13.8
		1.00			7.5	8.0
8,800	2/1/84	3.00	1.6		9.4	14.2
7,250	2/1/84	1.60	3.2	18.9	15.0	12.7
8,420	2/1/84	2.80	5.3	24.4		27.5
6,700	2/1/84	.70	2.3	22.7	11.9	12.9
8,330	2/1/84	2.30	1.5	15.3	8.4	9.4
7,100	2/1/84	2.10	1.8	18.5	10.0	9.9
6,200	2/1/84	1.30	1.1	15.1	4.6	5.7
9,100	2/1/84	1.20	3.4	12.7	11.4	9.8
8,040	2/1/84		~~~			
7,900	2/1/84	2.70	3.0	32.0	13.6	25.4
8,900	2/1/84	1.00	3.6	11.6	12.8	10.2
7,100	2/1/84	1.40	2.4	25.3	17.4	12.2
						12.3
7,050	2/1/84	.70	5.7	29.9	27.5	
	-					
	6,400 6,750 8,000 8,700 7,200 9,200 8,800 6,080 9,200 8,050 8,100 7,220 7,800 6,700 8,000 7,700 7,800 6,700 8,800 7,250 8,420 6,700 8,330 7,100 6,200 9,100 8,040 7,900 8,900	6,400 2/1/84 6,750 2/1/84 8,000 2/1/84 8,700 2/1/84 7,200 2/1/84 9,200 2/1/84 9,200 2/1/84 9,200 2/1/84 8,050 2/1/84 8,050 2/1/84 8,050 2/1/84 8,050 2/1/84 8,000 2/1/84 7,220 2/1/84 7,300 2/1/84 7,200 2/1/84 7,700 2/1/84 7,700 2/1/84 7,700 2/1/84 8,300 2/1/84 7,700 2/1/84 8,300 2/1/84 7,700 2/1/84 8,300 2/1/84 7,100 2/1/84 8,330 2/1/84 7,250 2/1/84 8,330 2/1/84 7,100 2/1/84 8,330 2/1/84 7,100 2/1/84 8,3420 2/1/84 7,100 2/1/84 8,3420 2/1/84 7,100 2/1/84 8,040 2/1/84 7,900 2/1/84 8,040 2/1/84 7,900 2/1/84 7,900 2/1/84 8,900 2/1/84	6,400 2/1/84 .80 6,750 2/1/84 .90 8,000 2/1/84 .90 8,700 2/1/84 1.00 7,200 2/1/84 1.00 9,200 2/1/84 1.00 6,080 2/1/84 1.30 9,200 2/1/84 1.30 8,050 2/1/84 3.60 8,700 2/1/84 3.60 8,500 2/1/84 3.60 8,100 2/1/84 3.60 8,000 2/1/84 3.60 8,000 2/1/84 3.60 8,000 2/1/84 3.60 7,700 2/1/84 3.60 7,700 2/1/84 3.00 7,250 2/1/84 3.00 7,250 2/1/84 3.00 7,250 2/1/84 2.30 7,100 2/1/84 2.10 6,200 2/1/84 2.10 6,200 2/1/84 3.00 7,100 2/1/84 3.00 7,100 2/1/84 3.00 <td>6,400 2/1/84 .80 7.4 6,750 2/1/84 .90 11.7 8,000 2/1/84 .90 11.7 8,700 2/1/84 1.00 11.0 7,200 2/1/84 1.00 6.5 9,200 2/1/84 1.00 8.8 6,080 2/1/84 1.30 7.6 9,200 2/1/84 1.30 7.6 8,050 2/1/84 1.30 7.6 8,050 2/1/84 3.60 4.8 8,100 2/1/84 3.60 4.8 8,100 2/1/84 3.60 3.3 8,000 2/1/84 3.60 3.3 8,000 2/1/84 3.60 3.3 7,700 2/1/84 2.20 4.8 6,000 2/1/84 3.0 1.6 7,250 2/1/84 1.00 3.4 7,250 2/1/84 2.80 5.3 6,700 2/1/84 2.30 1.5 7,100 2/1/84 2.30 1.5</td> <td>6,400 2/1/84 .80 7.4 27.5 6,750 2/1/84 .90 11.7 63.5 8,000 2/1/84 .90 11.7 63.5 8,700 2/1/84 1.00 11.0 37.4 7,200 2/1/84 50 6.6 26.6 9,200 2/1/84 1.00 6.5 16.7 8,800 2/1/84 1.00 8.8 28.2 6,080 2/1/84 1.30 7.6 18.9 9,200 2/1/84 1.30 7.6 18.9 8,050 2/1/84 1.30 7.6 18.3 8,050 2/1/84 3.60 4.8 20.1 8,100 2/1/84 3.60 4.8 20.1 8,100 2/1/84 3.60 3.3 26.2 7,200 2/1/84 3.60 3.3 25.5 8,000 2/1/84 3.60 3.3 25.5 7,700 2/1/84 2.0 3.0 23.9 6,700 2/1/84 3.0 1.6 1</td> <td>6,400 2/1/84 .80 7.4 27.5 25.6 6,750 2/1/84 .90 11.7 63.5 48.2 8,000 2/1/84 .80 9.9 32.0 40.3 8,700 2/1/84 .50 6.6 26.6 26.0 9,200 2/1/84 .50 6.6 26.6 26.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .30 7.6 18.9 23.0 8,050 2/1/84 .80 3.5 18.1 14.1 6,700 2/1/84 .80 3.5 18.3 12.5 8,500 2/1/84 2.40 3.8 26.2 16.1 7,200 2/1/84 3.60 3.3 26.2 16.1 7,800 2/1/84 <</td>	6,400 2/1/84 .80 7.4 6,750 2/1/84 .90 11.7 8,000 2/1/84 .90 11.7 8,700 2/1/84 1.00 11.0 7,200 2/1/84 1.00 6.5 9,200 2/1/84 1.00 8.8 6,080 2/1/84 1.30 7.6 9,200 2/1/84 1.30 7.6 8,050 2/1/84 1.30 7.6 8,050 2/1/84 3.60 4.8 8,100 2/1/84 3.60 4.8 8,100 2/1/84 3.60 3.3 8,000 2/1/84 3.60 3.3 8,000 2/1/84 3.60 3.3 7,700 2/1/84 2.20 4.8 6,000 2/1/84 3.0 1.6 7,250 2/1/84 1.00 3.4 7,250 2/1/84 2.80 5.3 6,700 2/1/84 2.30 1.5 7,100 2/1/84 2.30 1.5	6,400 2/1/84 .80 7.4 27.5 6,750 2/1/84 .90 11.7 63.5 8,000 2/1/84 .90 11.7 63.5 8,700 2/1/84 1.00 11.0 37.4 7,200 2/1/84 50 6.6 26.6 9,200 2/1/84 1.00 6.5 16.7 8,800 2/1/84 1.00 8.8 28.2 6,080 2/1/84 1.30 7.6 18.9 9,200 2/1/84 1.30 7.6 18.9 8,050 2/1/84 1.30 7.6 18.3 8,050 2/1/84 3.60 4.8 20.1 8,100 2/1/84 3.60 4.8 20.1 8,100 2/1/84 3.60 3.3 26.2 7,200 2/1/84 3.60 3.3 25.5 8,000 2/1/84 3.60 3.3 25.5 7,700 2/1/84 2.0 3.0 23.9 6,700 2/1/84 3.0 1.6 1	6,400 2/1/84 .80 7.4 27.5 25.6 6,750 2/1/84 .90 11.7 63.5 48.2 8,000 2/1/84 .80 9.9 32.0 40.3 8,700 2/1/84 .50 6.6 26.6 26.0 9,200 2/1/84 .50 6.6 26.6 26.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .50 7.0 26.4 29.0 9,200 2/1/84 .30 7.6 18.9 23.0 8,050 2/1/84 .80 3.5 18.1 14.1 6,700 2/1/84 .80 3.5 18.3 12.5 8,500 2/1/84 2.40 3.8 26.2 16.1 7,200 2/1/84 3.60 3.3 26.2 16.1 7,800 2/1/84 <

PRECIPITATION (Inches) For January 1984 - NATIONAL WEATHER SERVICE, RENO, NEVADA

DRAINAGE BASIN and	P1	CURRENT INFORMATION FROM APPROX. OCT I TO DATE					
PRECIPITATION GAGE LOCATION	Elevation	Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
TRUCKEE-TAHOE							
oca	5,575	0.30	5.83	4.34	18.73	22.57	12.24
lenbrook	6,350	0.16	4.79	4.23	12.18	17.96	10.52
ncline Village	6,550	0.31	5.49	5.02	19.92	23.51	11.71
eno .	4,404	0.36	1.72	1.21	5.29	6.12	3.40
ierraville	4,975	0.89	6.15	5.31	23.48	24.00	15.96
anoe City	6,230	0.73	6.49	6.78	22.27	26.23	19.24
ruckee Ranger Station	5,995	0.44	5.82	6.67	24.91	25.60	18.60
CARSON-WALKER							
ridgeport Ranger Station	6.560	0.10	2.80	2.33		10.03	6.55
arson City	4,651	0.47	2.96	2.27	9.04	10.16	6.54
allon Experiment Station	3,965	0.17	0.99	.42	3.26	4.08	1.57
WEhorne	4,215	0.17	U.79	.37	1.28	2.07	1.45
Inden	4,720	0.17	3.10	1.47	1.42	7.99	4.50
vin Lakes	7,829	0.89	11.26		1.42		
				9.58		37.12	26.68
podfords	5,971	0.38	5.56	3.92	17.56	21.58	12.08
rington	4,375	0.78	Ů.88	. 57	3.13	3.09	2.08
HUMBOLDT							
istin	6,605	0.80	3.49	.89	8.54	7.16	3.89
attle Mountain	4,530	0.04	0.39	. 62	2.87	2.95	2.74
ech	5,338	0.64	2.14	1.13	8.32	7.14	3.22
ko	5,075	0.57	1.73	1.16	8.75	5.48	3.96
igrant Pass	5,755	0.46	2.03	1.42	8.04	5.94	4.71
ggs	5,760	0.53	2.50	1.02	10.69	6.28	4.03
moille	5,800	0.54	N/A	1.43	7.19		6.20
velock FAA	3,900	0.35	0.68	.49	4.15	3.45	1.80
rth Fork	6,600	0.38	0.90				
radise Valley	4,675	0.15	1.47	1.04	9.40	5.73	5.26
lls	5,650	0.23	1.02	1.02	7.62	3.99	4.02
nnemicca	4,301	0.11	1.19	.97	5.65	4.31	3.53
	7,504		2.27		7.03	1.31	3.33
SNAKE-OWYREE	5,365	0.21	0.80	.95	6.25	3.09	2.77
				.95			*
untain City	5,620	0.36	0.54		8.72	4.50	1
yhee	5,396	0.37	1.15	1.41	9.17	5.71	5.39
SCATOTA	6,170	0.28	1.90	1.67	10.32	8.06	5.69
EASTERN NEVADA							
thur	6,280	0.81	1.62	1.68	13.23	7.18	5.78
У	6,253	0.36	1.41	. 64	3.27	4.18	2.61
ntello	4,880	0.08	1.12	.52	3.31	3.39	2.34
quop	6,030	0.37	1.01	*	7.06	4.68	*
duop by Lake	6,012	1.00	1.86	1.22	10.80	5.65	4.94
	1,532						
NORTHERN GREAT BASIN turas Ranger Station	4,400	0.81	0.61	1.71	11.50	5.44	5.97
				1.82	12.50	4.76	7.55
darville	4,670	0.15	0.42				
. Bidwell	4,498		1.37	2.41		8.65	8.01
ovada	4,310	0.20	1.06	1.22	6.73	3.76	4.40
sanville	4,148	0.11	3.11	2.78	10.64	10.33	8.27
CENTRAL GREAT BASIN							·
nopah .	5,426	0.04	0.92	.30	1.85	3.04	1.31
LOWER COLORADO RIVER							
liente	4,402	0.26	1.13	.76		3.62	3.19
s Vegas	2,162	T	0.43	.45	0.79	1.79	1.47
oche	6,165	0.16	2.45	1.47	2.97	6.17	5.00
shop	4,118	T	1.82	1.20	2.53	6.04	3.09
			V				
Not Available							
Trace							
ormals are for 30 year period: 1941-1970.							

AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester
Division of Conservation Districts
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

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